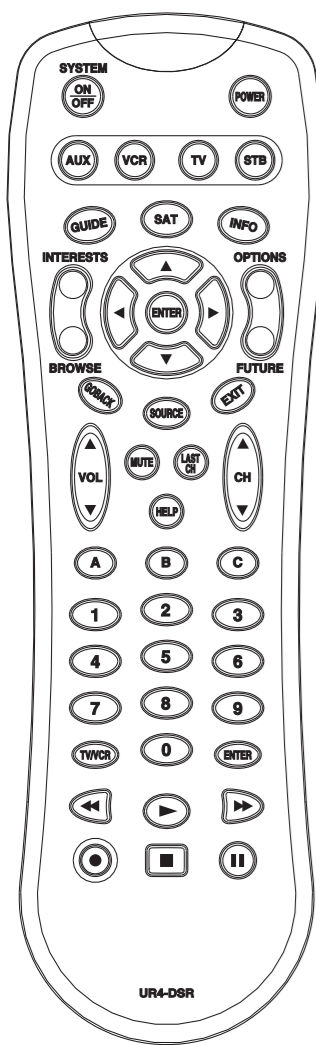


Operating Instructions

For 4 in 1 STB Remote Control

UR4-DSR



Universal Remote Control, Inc.
www.universalremote.com
OEE-0050B Rev 15 (08/17/11)

1 Introduction

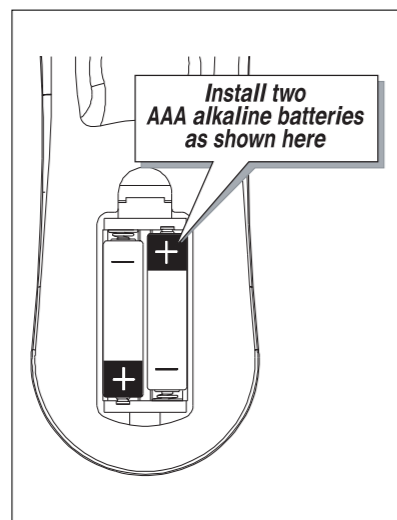
The remote control is designed to operate the Motorola® DSR400 Series Digital Receiver. You can also control the majority of TV, VCR/DVD and AUDIO equipment on the market as shown below.

- STB** : Digital Receiver
- TV** : Televisions
- VCR** : VCRs and DVD
- AUX** : Audio Receivers, DMX & DCR, TIVO, etc.

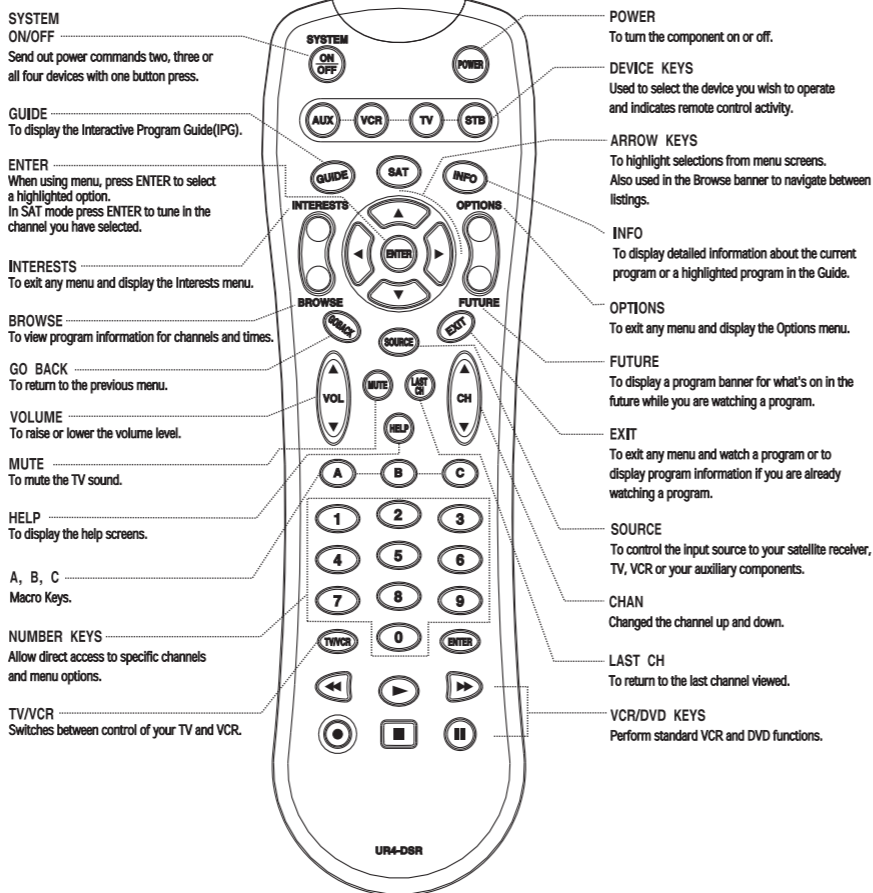
2 Replacing Batteries

Before you program or operate the remote control, you must install two new AAA alkaline batteries.

- STEP1** Remove the battery compartment cover on the back of your remote control.
- STEP2** Check battery polarity carefully, and install the batteries as shown in the illustration below.
- STEP3** Replace the battery compartment cover.



3 Button Functions



4 Operations

Default State :
Device Default: Motorola® DSR400 Series.

Channel Default: STB channel and number keys through the STB, with the option of controlling channel and number keys through the TV or VCR. Refer to section F for programming the channel and number keys through your TV or VCR.

Volume Default : STB volume and mute through the TV, with the option of controlling volume and mute through the STB or AUDIO. Refer to section G for programming the volume and mute through your STB or AUDIO.

System On/Off button :
This button is designed to send out power commands for two, three or all four devices with one button press. Please refer to section E for details.

5 Programming the Remote Control

A. Three-Digit Code Programming Method.

The remote control can be programmed by pressing in a three digit code number that corresponds to particular manufacturers and brands of Audio/Video equipment. The three-digit code numbers are listed in the code table of the instruction manual.

- STEP1** Turn on the equipment you wish to program. (TV, VCR, DVD or AUX).
- STEP2** Press the [DEVICE] button (TV, VCR or AUX) to be programmed and the [ENTER] button simultaneously for 3 seconds. The device LED will turn on indicating the unit is ready to be programmed.

***Tip:** The device LED will stay lit for 20 seconds. The next step must be entered while the LED is on.

- STEP3** Point the remote control toward the equipment and enter the three-digit code number assigned to your brand from the code tables.

***Tip:** The equipment will turn off when the correct three-digit code number has been entered. You can verify you have selected the correct code by pressing the [POWER] button, the equipment should turn on or turn off.

***Note :** If there is more than one three-digit number listed for your brand, try one code number at a time until your equipment turns off.

- STEP4** Store the three-digit code number by pressing the same [DEVICE] button once again. The device LED will blink twice to confirm that the code has been stored.

***Note :** Try all the functions on the remote control. If any of the functions do not work as they should, repeat from Step 2 using the next three-digit code number from the same brand list.

B. Auto Search Method.

If the three-digit code numbers assigned to your brand do not turn off your equipment or the code tables do not list your brand, you can use the **Auto Search Method to find the correct three-digit code number for your equipment by the following steps:**

- STEP1** Turn on the equipment you wish to operate.
- STEP2** Press the [DEVICE] button (TV, VCR or AUX) to be programmed and the [ENTER] button simultaneously for 3 seconds. The device LED will turn on.

***Tip:** The device LED will light on for 20 seconds. The next step must be entered while LED is on.

- STEP3** Press the [CH ▲] or [CH ▼] button one step at a time or keep it pressed. The remote will emit a series of Power ON/OFF commands. Release the [CH ▲] or [CH ▼] button as soon as the equipment turns off.

***Tip:** You can verify that you selected the correct code by pressing the [POWER] button. The equipment should either turn on or off.

- STEP4** Press the same [DEVICE] button to store the code. The Device LED will blink twice to confirm that the code has been stored.

C. To Find the Three Digit Code Number That was Stored in the Device.

- STEP1** Press the [DEVICE] button (TV, VCR or AUX) you wish to verify and the [ENTER] button simultaneously for 3 seconds.

***Tip:** The device LED will turn on for 20 seconds. The next step must be entered while the LED is on.

- STEP2** Press the [INFO] button.

The device LED will blink number of times indicating the number of each digit of the code number. Each digit is separated by a 1 second interval of the LED being turned off.

Example : One blink, three blinks and eight blinks with an interval of 1 second of LED being turned off, indicates the code number 138.

***Note :** Ten blinks is equal to the number 0.

D. Programming a second TV to AUX Mode.

- STEP1** Press the [AUX] button to be programmed and the [ENTER] button simultaneously for 3 seconds.

***Tip:** The device LED will turn on for 20 seconds. The next step must be entered while the LED is on.

- STEP2** Press the [TV] button to pick up the TV code table.

- STEP3** Point the remote control toward the equipment and enter the three-digit code number assigned to your TV brand from the code tables.

- STEP4** Store the three-digit code number by pressing the [AUX] button once again. The device LED will blink twice to confirm that the code has been stored.

E. Programming The System On/Off Button.

This is designed to program the System On/Off button so that it can send out up to four power on/off commands with one button press.

- STEP1** Press the [STB] button.
- STEP2** Press the [SYSTEM] button and the [ENTER] button simultaneously for 3 seconds. The [STB] button will turn on for 20 seconds.

- STEP3** Press the [DEVICE] button and the [POWER] button you wish to store in the System On/Off button and repeat this until you stored all the power commands into the System On/Off button.

- STEP4** Press the [CH ▲] button to save the power commands you stored. The [STB] button will blink twice to confirm the saving.

F. Programming Channel Control.

By following the steps below, the user can program the channel controls (Channel Up, Channel Down and Last) from one device to operate in another device mode. The default channel control settings on the remote control is as follows:

STB : STB **TV :** STB
VCR : VCR **AUX :** AUX

If you wish to store the TV channel control in TV mode, use the following steps.

- STEP1** Press the [TV] button and the [ENTER] button simultaneously for 3 seconds.

***Tip:** The device LED will light on for 20 seconds. The next step must be entered while the LED is on.

- STEP2** Press the [VOL ▼] button.
- STEP3** Press the [TV] button. The device LED will blink twice to confirm the programming.

To return to original state:
If you wish to restore the STB channel control in TV mode, repeat the above steps by pressing [STB] in **STEP3**.

G. Programming Volume Control.

By following the steps below, the user can program the volume controls (Volume Up, Volume Down and Mute) from one device to operate in another device mode. The default volume control settings on the remote control is as follows :

STB : TV **TV :** TV
VCR : TV **AUX :** AUX

If you wish to store the STB volume control in STB mode, use the following steps.

- STEP1** Press the [STB] button and the [ENTER] button simultaneously for 3 seconds.

***Tip:** The device LED will light on for 20 seconds. The next step must be entered while the LED is on.

(STEP2) Press the [VOL ▲] button.

(STEP3) Press the [STB] button. The device LED will blink twice to confirm the programming.

To return to original state:

If you wish to restore the TV volume control in STB mode, repeat the above steps by pressing [TV] in **(STEP3)**.

H. Programming For Advanced Function.

In the STB mode, the A, B and C buttons can be programmed to act as a macro or favorite channel button to send out up to 10 commands with one button press.

(STEP1) Press the [STB] button to select the STB mode

(STEP2) Press the [A (or B,C)] button and [ENTER] button simultaneously for 3 seconds. The STB device LED will turn on for 20 seconds.

(STEP3) Press up to 10 buttons you wish to store. The STB device LED will blink once for each command entered.

(STEP4) Press the [CH ▲] button to store the functions that are selected. The STB device LED will blink twice to confirm the storage of functions.

I. LOW BATTERY WARNING.

When the battery is low and needs to be replaced with fresh batteries, the remote control LED will blink 2 times in sequence whenever a [POWER] button is pressed to turn on equipment.

J. Memory Lock System.

This remote control is designed to retain programmed memory for 10 years even after batteries are removed from the remote control.

K. Write your device Set-up codes.

TV Set-up Code Number:

VCR Set-up Code Number:

AUX Set-up Code Number:

6 Set-up Code Tables

STB

Remote	Converter	Code No
UR-4-DSR	Motorola DSR Series	003

TV

MAKER(BRAND)/NAME	CODE NUMBER (3 DIGIT) LIST
ADMIRAL	072 081 160 161 096
ADVENT	247
AIKO	103
AKAI	006 146 248 150 157 167 078 184 185 255
ALARON	028
AMARK	112 143
AMERICA ACTION	043
AMPRO	073
ANAM	043 054 055 056 080 112
ADC	058 006 004 112 121
APEX	227
APEX DIGITAL	015 226 037
AQUAVISION	148
ASTAR	189
AUDIOVOX	076 103 043 035 145 197
AVION	219
BAYSONIC	043
BELL&HOWELL	072
BENQ	241
BRADFORD	043
BROKSONIC	096
CANDLE	006 002 003 004
CAPEHART	058
CARVER	164
CELEBRITY	001
CETRONIC	043
CINERAL	103 120
CITIZEN	006 002 003 004 101 103 143
CLASSIC	043
CONCERTO	004
CONTEC	043 051
CORONADO	143
CRAIG	043 054 028
CROSLLEY	164
CROWN	043 143
CURTIS MATHES	006 004 101 143 011 072 081 120 164
CKC	043
DAEWOO	076 103 055 004 127 143 016 043 044 125 120
DAYTRON	004 143
DELL	041 142
DENON	011
DIGITAL PROJECTION	224
DUMONT	004 073
DWIN	102 104 161
DYNASTY	043
DYNATECH	062
DYNEX	145
FISHER	007 057
ELECTROBAND	001
ELECTROGRAPH	182
ELECTROHOME	024 076 143
ELEMENT	084 190
EMERSON	005 028 043 048 076 096 155 004 051 143 151 153 154 213
EPSON	026 235
ESA	078
FUJITSU	164 028 198 246 066 138
FUNAI	028 043 052 249
FUTURETECH	043
GATEWAY	242 078
GE	006 073 144 160 161 004 008 009 034 056 074 091 155 081 120
GEM	078
GIBRALTER	004 073
GOLDSTAR	004 106 119 110 112 113 127 143
GRUNPY	028 043
HAIER	084 196
HALL MARK	004

TV

MAKER(BRAND)/NAME	CODE NUMBER (3 DIGIT) LIST
HAINSPREE	046
HARLEY DAVIDSON	028
HARMAN KARDON	164
HARVARD	043
HISENSE	170 179
HITACHI	163 004 007 009 011 072 010 012 023 075 143 158 166 254 232
HP	027 039 214 085
HUMAX	069
HYPHERION	253
HYUNDAI	049 067
ILO	183 145
INFINITY	164
INFOCUS	068 092 097 240
INSIGNIA	024 145 147 148 149 180 244 128
INKEL	129
INTEQ	073
JBL	164
JCB	001
JCPENNEY	004 006 008 024 030 065 101 143 156 160
JENSEN	013
JVC	038 001 034 083 206 159
KENWOOD	006 001
KLEGG	182
KLOSS	002 059
KONKA	180
KREISEN	090
KTV	006 043 143 154
LG	004 106 119 110 112 113 127 143 084 223
LODGENET	072
LOEWE	207 164
LOGIK	072
LUXMAN	004
LXI	007 015 052 081 160 164
MAGNAVOX	006 003 004 022 059 060 061 063 064 127 164 094 160 028 035 124 181 215
MAJESTIC	072
MARANTZ	164 006 230 231
MATSUI	164
MATSUSHITA	080
MEGATRON	004
MINTEX	108 168
MITSUBISHI	109 024 042 004 040 146 028 081 225
MOTOROLA	081
MTC	006 004 062 101
MULTITECH	043
NAD	015 025
NIKO	220
NORCENT	124
NUVISION	221
OLEVIA	216 084 132
OPTIMUS	080
OPTOMA	029 032
PANASONIC	080 098 243 251
PHILCO	006 003 004 024 056 059 060 063 064 127 143 164
PHILIPS	164 005 038 093 127 006 003 004 059 210 215 161 239
PIONEER	023 025 135 176 004 018 006 209 234 118 131 140
POLAROID	015 077 078 079 070 177 178 190 199 200 212
PORTLAND	004 143 103
PRISM	034
PROSCAN	144 160 161
PROTON	004 058 143 171 173 112 086
PROTRON	130 141 192 193 195
PROVIEW	190
QUASAR	034 056 250
RADIO SHACK	004 019 127 143 043
RCA	160 161 144 156 065 006 004 023 024 056 074 152 081 233
REALISTIC	007 019
RUNCO	072 073 050 137 169
SAMPO	006 004 058 242
SAMSUNG	004 101 127 133 143 160 089 105 211 228 229
SANSEI	120
SANSUI	096 145 255
SANYO	007 053 057 082 020
SCEPTRE	036
SCOTCH	004
SCOTT	004 005 028 043 048 143 191

TV

MAKER(BRAND)/NAME	CODE NUMBER (3 DIGIT) LIST
SEARS	004 007 015 028 030 057 082 094 143 160 052 164
SEMIVOX	043
SEMP	015
SHARP	081 014 019 028 004 022 143 175
SHERWOOD	100
SIGNATURE	072
SONY	001 126 139 252
SOUNDESIGN	003 004 028 043
SOYO	086
SPECTRICON	112
SPECTRONIQ	193 195
SQUAREVIEW	052
SSS	004 043
STARLITE	043
SUNBRITE TV	245
SUPRE MACY	002
SUPREME	001
SVA	079
SYLVANIA	006 003 059 060 063 064 127 160 164 044 249 213 238
SYMPHONIC	052 249
SYNTAX OLEVIA	216 084 132
TANDY	081
TATUNG	056 062
TECHNICS	034 080
TECHNOL ACE	028
TECHVIEW	099
TECHWOON	004
TEKNIKA	002 003 004 024 028 043 072 101 143 103 164
TELEFUNKEN	255
TELERENT	072
TERA	172
TMK	004
TNCO	073
TOSHIBA	015 030 007 040 062 101 045
TOTEVISION	143
TRUTECH	087
UNIVERSAL	008 009
VIDEO CONCEPTS	146
VIDIKRON	174 188 164 050
VIDTECH	004
VIEWSONIC	122
VIORE	183 236
VISCO	190
VITO	084
VIZIO	078
WARDS	004 064 164 008 009 019 028 060 061 063 072 074 143
WESTING HOUSE	076 036 001 217 218
WINBOOK	031
YAMAHA	004 006 115 116 162 165
YORK	004
YUPITERU	043
ZENITH	072 073 095 103 011 096
ZONDA	112

VCR

MAKER(BRAND)/NAME	CODE NUMBER (3 DIGIT) LIST
ADMIRAL	025 053
AIKO	117
AIWA	034 161 101
AKAI	043 046 124 146
AMERICA ACTION	117
AMERICAN HIGH	031
AMPRO	072
ANAM	031 103
ASHA	040
AUDIO DYNAMICS	012 023 043
AUDIOVOX	101
BEAUMARK	040
BROKSONIC	035 037 129 025
CALLX	101
CANON	028 031
CAPEHART	108
CCE	024 117
CINERAL	117

VCR

MAKER(BRAND)/NAME	CODE NUMBER (3 DIGIT) LIST
CITIZEN	101 117
COLT	148
CRAIG	003 040 135 024 101
CURTIS MATHES	031 041
CYBERNEX	040
DAEWOO	005 108 111 117 017 065 007 010
DAYTRON	108
DBX	012 023 043
DYNATECH	034 053
ELECTROHOME	059 101
ELECTROPHONIC	101
EMERSON	006 029 035 037 129 153 017 025 027 031 034 036 046 101 131 138 117
FISHER	003 010 008 009
FUJI	031
FUNAI	034
GARRARD	034
GE	031 072 144 147 063 107 109 040 053
GO VIDEO	132 155 040 136
GOLDSTAR	101 004 012 020
HARLEY DAVIDSON	034
HARMAN KARDON	012 045
HARWOOD	024
HITACHI	004 026 034 043 063 137 150
HQ	034
HUGHES	004
INSTANTREPLAY	031
JCL	031
JCPENNEY	004 012 031 040 101
JENSEN	043
JVC	048 043 055 060 130 150 152 012 031
KEC	101 117
KENWOOD	034 150 014 048
KLH	024
KODAK	031 101
LG	101 004 012 020
LLOYD	034
LOGIK	024
LXI	003 009 017 034 101 004 106
MAGIN	040
MAGNASONIC	117
MAGNAVOX	067 031 034 068 041 156 170
MARANTZ	067 069 012 031
MARTA	101
MATSUI	027 030
MATSUSHITA	031
MEI	031
MEMOREX	040 101 003 014 031 034 053 072 134 139 025
MGA	045 046 059
MGN TECHNOLOGY	040
MINOLTA	004 020
MITSUBISHI	059 061 051 004 046 020 045 053
MOTOROLA	031 053
MTC	034 040
MULTITECH	024 034
NEC	012 023 043 048
NIKKO	101
NOBLEX	040
NORDMENDE	043
OLYMPUS	031
OPTIMUS	053 101
PILOT	101
PIONEER	021 004 048
PORTLAND	108
PROFITRONIC	040
PROTEC	024
RCA	107 109 144 041 031 004 020 034 040 140 147 158 053
SALORA	014
SAMSUNG	040 017 107 109 113 115 124 122
SANKY	053
SANSUI	043 135 048 025 034
SANYO	003 014 040 134
SCOTT	017 037 129 131
SEARS	003 004 008 014 017 081 101 010 031 034
SHARP	053 031 054 159
SHINTOM	024
SHOGUN	040

VCR

MAKER(BRAND)/NAME	CODE NUMBER (3 DIGIT) LIST
SINGER	024
SONY	001 057 058 003 052 053 031 154 171 009 034
SOUNDESIGN	034
SIS	004
SYLVANIA	031 034 059 067
SYMPHONIC	034
TANDY	034 010
TATUNG	043
TEAC	034 043
TECHNICS	125
TEKNIKA	031 034 101
THOMAS	034
TMK	006 040
TOSHIBA	017 131 004 008 059 082 150
TOTEVISION	040 101
UNITECH	040
VECTOR RESEARCH	012
VIDEO CONCEPTS	012 034 046
VIDEOSONIC	040
WARDS	003 004 017 024 031 034 040 053 054 131
WESTINGHOUSE	024 025
SANSUI	024 031 034
YAMAHA	012 034 043
ZENITH	072 034 001 058 080 101 153 048 025

**Note : For TV/VCR combination unit, Please use following steps to operate the Volume control.*

(STEP1) Press the [STB] button and the [OK] button simultaneously for 3 seconds. The [STB] button will light on for 20 seconds.

(STEP2) Press the [VOL ▲] button.

(STEP3) Press the [VCR] button. The LED will blink twice to confirm the programming.

VCR(DVD)

MAKER(BRAND)/NAME	CODE NUMBER (3 DIGIT) LIST
ADCOM	157
AIWA	202
AKAI	199
ALPINE	221
ANTHEM	104
APEX DIGITAL	251 246 182 183
ARCAM	215 122
CAMBRIDGE AUDIO	165 149 102
CARY AUDIO DESIGN	184 151
CLASSE	193
COBY	212
CYBERHOME	220 213
DAEWOO	220
DURABRAND	211
DYNEX	116
EMERSON	211
ESA	211
FUNAI	208 211
GE	230 231
GOLDSTAR	235 239
GO VIDEO	201 187 188 189 194
HARMAN KARDON	243
HITACHI	223
HITEKER	246
INSIGNIA	175 177 239 254 116
INTEGRA	198 196 121
JVC	238
CURTIS MATHES	216
KISS	197
KLH	210
LG	148 190 118
LITEON	160
MAGNAVOX	254 237 211

VCR(DVD)

MAKER(BRAND)/NAME	CODE NUMBER (3 DIGIT) LIST
MARANTZ	253 242 148
MCINTOSH	020
MEMOREX	207
MINTEX	200
MITSUBISHI	227
MYRYAD	031 034 059 067
NAD	247 239 112
NAKAMICHI	225
ONKYO	240 196 121
OPPO	125
OPTIMUS	229
PANASONIC	228 206 226 169 105
PARASOUND	173
PHILIPS	253 237 214 242 168 164 127
PIONEER	120 167 171 172
POLAROID	195 174 175
PRIMARE	185 186
PROCEED	245
PROSCAN	230 231
RCA	230 231 176
SAMSUNG	236 248 201 191 167 179
SHARP	205
SANYO	204
SENSORY SCIENCE	189 190
SHARP	252
SHERWOOD	173 128
SONY	232 218 203 172 141 142 14